

SPRINT 1

Team ID	PNT2022TMID15638
Project Name	Retail Store Stock Inventory Analytics

PROJECT DEVELOPMENT PHASE:

Sprint-1:

- Data Collection
- Data Preparation

Sprint-2:

- Data Exploration

Sprint-3:

- Dashboard Creation

Sprint-4:

- Report Creation
- Story Creation

DATA COLLECTION

LOADING DATASET

The screenshot shows the IBM Cognos Analytics web interface in a browser. The address bar displays `us1.ca.analytics.ibm.com/bi/?perspective=home`. The page header includes the text "IBM Cognos Analytics with Watson" and a search bar. The main content area features a welcome message: "Hello. Welcome to Cognos Analytics with Watson." Below this, it says "You can get started right away by taking a look at our introduction video, product tour and Getting Started tab." There are two buttons: "Watch video" and "Take a product tour".

Overlaid on the interface is a Windows File Explorer window titled "Open". The address bar shows the path "Dow... > Inventory Management data...". The search bar contains "Search Inventory Manageme...". The left sidebar shows the "Downloads" folder selected. The main pane displays a table of files:

Name	Date modified	Type	Size
mock_kaggle	10-11-2022 18:03	Microsoft Excel C...	

At the bottom of the File Explorer, the "File name" field is empty, and the "Custom Files" dropdown is set to "Custom Files". The "Open" and "Cancel" buttons are visible.

The Windows taskbar at the bottom shows the system clock as 18:08 on 10-11-2022, with a temperature of 28°C and a "Cloudy" weather status.

New TabMy IBMHomeRetail Store Stock Inventory - GoIBM

us1.ca.analytics.ibm.com/bi/?perspective=home

IBM Cognos Analytics with Watson316Search content

Select sources

My content

Type any text to filter items in this folder

Inventory Management dataset.zip
10/11/2022, 6:35 AM

mock_kaggle.csv
10/11/2022, 6:39 AM

Filter by

[Reset filters](#)

Type

☐ Folders

☐ Packages

☐ Files

☐ Data sets

☐ Modules

Modified

☒ All

☐ Today

☐ Yesterday

☐ Past week

☐ Past month

Cancel

OK

Get started

Recent

28°C
Cloudy

ENG
IN

18:11
10-11-2022

New TabMy IBMNew data moduleRetail Store Stock Inventory - GoIBM

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=1584271249_5ac71fbf382e4ad485ed78bc2a4cd331_sessionTemp&objRef=&tid=1584271249_5ac71fbf382e4ad485ed7...

IBM Cognos Analytics with WatsonNew data module316Search contentProperties

Data module

Search

New data module

Navigation paths

Inventory M...dataset.zip

Row Id

data

venda

estoque

preco

GridRelationshipsCustom tables

Row Id	data	venda	estoque	preco
1	2014-01-01	0	4972	1.29
2	2014-01-02	70	4902	1.29
3	2014-01-03	59	4843	1.29
4	2014-01-04	93	4750	1.29
5	2014-01-05	96	4654	1.29
6	2014-01-06	145	4509	1.29
7	2014-01-07	179	4329	1.29
8	2014-01-08	321	4104	1.29
9	2014-01-09	125	4459	1.09
10	2014-01-10	88	5043	1.09
11	2014-01-11	188	5239	1.09
12	2014-01-12	121	5118	1.09
13	2014-01-13	134	4984	1.09
14	2014-01-14	80	4904	1.09
15	2014-01-15	82	4822	1.09

28°C Cloudy

ENG IN

18:12 10-11-2022

PREPARING DATASET

New Tab | My IBM | * New data module | Retail Store Stock Inventory - Go | IBM

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=1584271249_5ac71fbf382e4ad485ed78bc2a4cd331_sessionTemp&objRef=&tid=1584271249_5ac71fbf382e4ad485ed7...

IBM Cognos Analytics with Watson | * New data module | 314 | Search content | ? | 1 | User

Create calculation

NameMonth data

Components

Search

Inventory Ma...dataset.zip

- # Row Id
- data
 - venda
 - estoque
 - preco

Expression

1 Month(data_)

Validation Results

- The expression is valid.

☐ Calculate after aggregation

CancelOK

28°C Cloudy

Windows Taskbar Icons

ENG IN 18:15 10-11-2022

IBM Cognos Analytics with Watson

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=1584271249_5ac71fbf382e4ad485ed78bc2a4cd331_sessionTemp&objRef=&tid=1584271249_5ac71fbf382e4ad485ed7...

IBM Cognos Analytics with Watson

* New data module

Search content

Properties

Data module

Grid Relationships Custom tables

Search

Inventory ...ataset.zip

Month data

1

2

3

4

5

6

7

8

9

10

11

12

Row Id

year

sales

estoque

preco

lonth data	Row Id	year	sales
	10	2014-01-10	88
	11	2014-01-11	188
	12	2014-01-12	121
	13	2014-01-13	134
	14	2014-01-14	80
	15	2014-01-15	82
	16	2014-01-16	94
	17	2014-01-18	159
	18	2014-01-19	199
	19	2014-01-20	104
	20	2014-01-21	70
	21	2014-01-22	127
	22	2014-01-23	96
	23	2014-01-24	75
	24	2014-01-25	198

Properties

General

Label sales

Hide from users

Expression View or edit >

Usage Measure

Aggregate Total

Data type Integer

Represents

Default

Lookup reference None

Description

Comments

27°C Cloudy

18:23 10-11-2022

The screenshot displays the IBM Cognos Analytics web interface. The top navigation bar includes the IBM logo and the text "IBM Cognos Analytics with Watson". The main content area is divided into three sections: "Data module", "Grid", and "Properties".

Data module: This section on the left contains a search bar and a tree view of data sources. The tree shows "Inventory ...ataset.zip" expanded, with "Month data" selected. Below "Month data", there are 12 numbered items (1-12) and a "# Row Id" item. The "year" item is also visible.

Grid: The central table displays data for the "preco" measure. The columns are "ear", "sales", "stock", and "preco". The rows represent dates from 014-01-10 to 014-01-25. The "preco" column values range from 1.09 to 1.19.

Properties: The right-hand panel shows the "General" properties for the selected "preco" measure. The "Label" is set to "price". The "Hide from users" toggle is turned off. The "Expression" is set to "View or edit". The "Usage" is set to "Measure". The "Aggregate" is set to "Total". The "Data type" is "Decimal". The "Represents" section is empty. The "Default" is set to "None". The "Lookup reference" is set to "None". The "Description" field is empty. The "Comments" field is empty.

ear	sales	stock	preco
014-01-10	88	5043	1.09
014-01-11	188	5239	1.09
014-01-12	121	5118	1.09
014-01-13	134	4984	1.09
014-01-14	80	4904	1.09
014-01-15	82	4822	1.09
014-01-16	94	4728	1.19
014-01-18	159	4464	1.19
014-01-19	199	4265	1.19
014-01-20	104	4161	1.19
014-01-21	70	4091	1.19
014-01-22	127	3964	1.09
014-01-23	96	3868	1.09
014-01-24	75	3793	1.09
014-01-25	198	3595	1.09

New Tab x My IBM x New data module x Retail Store Stock Inventory - Go x IBM

us1.ca.analytics.ibm.com/bj/?perspective=ca-modeller&id=1584271249_5ac71fbf382e4ad485ed78bc2a4cd331_sessionTemp&objRef=&tid=1584271249_5ac71fbf382e4ad485ed7...

IBM Cognos Analytics with Watson

* New data module

Search content

Properties

Data module

Search

Inventory ...ataset.zip

Month data

1

2

3

4

5

6

7

8

9

10

11

12

Row Id

year

sales

stock

price

Data format

Column: Month data

Format type: Date

Date separator: /

Date style: Short

Date ordering: Default

Missing value characters: <empty>

Advanced options

Reset properties

Cancel

OK

27°C Cloudy

ENG IN

18:27

10-11-2022

IBM Cognos Analytics with Watson

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=1584271249_5ac71fbf382e4ad485ed78bc2a4cd331_sessionTemp&objRef=&tid=1584271249_5ac71fbf382e4ad485ed7...

IBM Cognos Analytics with Watson

Data module

Inventory ...atasset.zip

Month data

1

2

3

4

5

6

7

8

9

10

11

12

Row Id

year

sales

stock

price

Data format

Column: year

Format type: Date

Date separator: /

Date style: Short

Date ordering: Default

Missing value characters: <empty>

Advanced options

Reset properties

Cancel

OK

27°C Cloudy

ENG IN

18:27 10-11-2022

IBM Cognos Analytics with Watson

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=1584271249_5ac71fbf382e4ad485ed78bc2a4cd331_sessionTemp&objRef=&tid=1584271249_5ac71fbf382e4ad485ed7...

IBM Cognos Analytics with Watson

* New data module

Search content

Properties

Data module

Search

Inventory ...ataset.zip

Month data

1

2

3

4

5

6

7

8

9

10

11

12

Row Id

year

sales

stock

price

Data format

Column: sales

Format type: Number

Number of decimal places: 0

Negative sign symbol: Default

Use thousands separator: No

Negative sign position: Default

Missing value characters: <empty>

Advanced options

Reset properties

Cancel

OK

27°C Cloudy

18:29 10-11-2022

New Tab x My IBM x * New data module x Retail Store Stock Inventory - Go x IBM x + -

us1.ca.analytics.ibm.com/bj/?perspective=ca-modeller&id=1584271249_5ac71fbf382e4ad485ed78bc2a4cd331_sessionTemp&objRef=&tid=1584271249_5ac71fbf382e4ad485ed7...

IBM Cognos Analytics with Watson

* New data module

Search content

Properties

Data module

Search

Inventory ...ataset.zip

Month data

1

2

3

4

5

6

7

8

9

10

11

12

Row Id

year

sales

stock

price

Data format

Column: stock

Format type: Number

Number of decimal places: 0

Negative sign symbol: Default

Use thousands separator: No

Negative sign position: Default

Missing value characters: <empty>

Advanced options

Reset properties

Cancel OK

27°C Cloudy

ENG IN

18:29 10-11-2022

New Tab x My IBM x * New data module x Retail Store Stock Inventory - Go x IBM

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeler&id=1584271249_5ac71fbf382e4ad485ed78bc2a4cd331_sessionTemp&objRef=&tid=1584271249_5ac71fbf382e4ad485ed7...

IBM Cognos Analytics with Watson

* New data module

Search content

Properties

Data module

Search

Inventory ...ataset.zip

Month data

1

2

3

4

5

6

7

8

9

10

11

12

Row Id

year

sales

stock

price

Data format

Column: price

Format type: Number

Number of decimal places: 0

Negative sign symbol: Default

Use thousands separator: No

Negative sign position: Default

Missing value characters: <empty>

Advanced options

Reset properties

Cancel OK

price

View or edit

Measure

Total

Decimal

27°C Cloudy

18:29 10-11-2022

The screenshot displays the IBM Cognos Analytics interface. A 'Save as' dialog box is open in the center. The 'Name' field contains 'Inventory Module'. Below this, the 'Selected destination' is 'My content'. There are two tabs: 'My content' (active) and 'Team content'. A table lists files:

Name	Type	Last Accessed
Inventory Management dataset.zip	Uploaded file	10/11/2022, 6:35 AM
mock_kaggle.csv	Uploaded file	10/11/2022, 6:39 AM

At the bottom of the dialog are 'Cancel' and 'Save' buttons. The background shows the IBM Cognos Analytics workspace. On the left, a 'Data module' tree is visible with 'Inventory ...atasset' expanded, showing 'Month data' and a list of items (1-12). On the right, a table view is partially visible with columns like 'price', 'Measure', 'Total', and 'Decimal'. The bottom of the screen shows a Windows taskbar with various application icons and system information (27°C, Cloudy, 18:31, 10-11-2022).

DATASET:

The screenshot displays the IBM Cognos Analytics web interface. The browser address bar shows a URL from us1.ca.analytics.ibm.com. The application header includes the text 'IBM Cognos Analytics with Watson' and a search bar. On the left, a 'Data module' sidebar lists various fields: Row Id, Data_M, YEAR, SALES, STOCK, PRICE, and Field Revenue. The main area shows a table with 14 rows and 7 columns. The columns are Row Id, Data_M, YEAR, SALES, STOCK, PRICE, and Field Revenue. The data represents daily inventory metrics for January 2014.

↑↓	Row Id	Data_M	YEAR	SALES	STOCK	PRICE	Field Revenue
	1	1	1 Jan, 2014	0	4972	1.29	0
	2	1	2 Jan, 2014	70	4902	1.29	90.3
	3	1	3 Jan, 2014	59	4843	1.29	76.11
	4	1	4 Jan, 2014	93	4750	1.29	119.97
	5	1	5 Jan, 2014	96	4654	1.29	123.84
	6	1	6 Jan, 2014	145	4509	1.29	187.05
	7	1	7 Jan, 2014	179	4329	1.29	230.91
	8	1	8 Jan, 2014	321	4104	1.29	414.09000000
	9	1	9 Jan, 2014	125	4459	1.09	136.25
	10	1	10 Jan, 2014	88	5043	1.09	95.92
	11	1	11 Jan, 2014	188	5239	1.09	204.92000000
	12	1	12 Jan, 2014	121	5118	1.09	131.89000000
	13	1	13 Jan, 2014	134	4984	1.09	146.06
	14	1	14 Jan, 2014	80	4904	1.09	87.2

DATASET LINK:

<https://drive.google.com/drive/folders/1kiL-5CHJmQvbk9VyFsuUs-myAupBZGNy>